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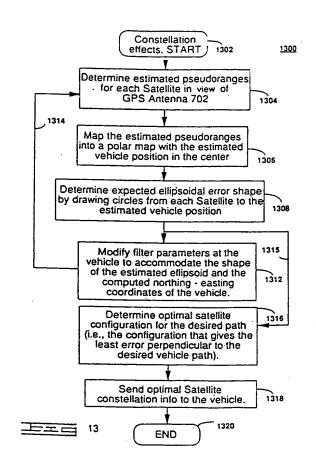
(54) Integrated vehicle positioning and navigation system, apparatus and method.

57 A method for improving the accuracy of terrestrial position estimates of a user antenna (312) located on a vehicle based on pseudoranges derived from satellites (132-170,200-206) of a global position system. The method calculates spatial biases by using the known position of a reference antenna

(316) and signals from the satellites. The spatial biases are then transmitted to a vehicle, the position of which is calculated using the spatial biases and other data, so that a more accurate vehicle position estimate can be made.

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EUROPEAN SEARCH REPORT

Application Number EP 94 10 3866

ategory	Citation of document with ind of relevant pass		Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.5)
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A	WESCON/87 CONFERENCE vol.31, 1987, LOS AN pages 941 - 945 T. ALLISON ET AL. 'G Generation Navigatio * page 945, right co	IGELES US IPS- The Next	1,2	
A	IEEE PLANS'86 POSITION LOCATION AND NAVIGATION SYMPOSIUM LAS VEGAS 4-7 NOVEMBER, 1986 pages 496 - 504 DR. S. BOSE 'GPS/PLRS aided inertial land navigation system performance' * page 498, left column, line 3 - right column, line 15 *		1,2	TECHNICAL FIELDS SEARCHED (Int.Cl.5) G01S G05D
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	The present search report has be	cen drawn up for all claims		
	Place of search	Date of completion of the search		Examiner
	THE HAGUE	18 May 1994 ·	He	elot, H
Y:pt	CATEGORY OF CITED DOCUMER articularly relevant if taken alone articularly relevant if combined with ancourant of the same category schoological background	E: earlier patent d	ocument, but pi date in the applicat for other reaso	ublished on, or ion ns